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1 The impact of object technology on commercial transaction processing

Edward E. Goble

August 1997

The VLDB Journal — The International Journal on Very Large Data Bases, Volume 6 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available Oct (649 17 KB)

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Businesses today are searching for information solutions that enable them to compete in the global marketplace. To minimize risk, these solutions must build on existing investments, permit the best technology to be applied to the problem, and be manageable. ...

Keywords: Objects, Workflow, transaction processing

2 Ultra-low power data storage for sensor networks

Gaurav Mahapatra, Peter Desnoyers, Paul Choudhry, Deepak Gangwan, Prashant Shenoy

November 2009

Transactions on Sensor Networks (TOSN), Volume 5 Issue 4

Publisher: ACM

Full text available Oct (1.26 MB)

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Local storage is required in many sensor network applications, both for archival of detailed event information, as well as to overcome sensor platform memory constraints. Recent gains in energy efficiency of new-generation NAND flash storage have strengthened ...

Keywords: embedded systems, energy efficiency, file system, flash memory, objects, sensors, storage system

3 MashQL: a query-by-diagram topping SPARQL

Mustafa Jarrar, Marco D. D'Amico



October 2008 ONISW '08: Proceeding of the 2nd International workshop on Ontologies and information systems the semantic web

Publisher: ACM

Full text available Oct (523 99 KB)

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This article is motivated by the importance of building web data mashups. Building on the remarkable success Web 2.0 mashups, and specially Yahoo Pipes, we generalize the idea of mashups and regard the Internet as a database. Each internet

Keywords: RDF, SPARQL, Web 2.0, Web 3.0, data web, linked data, mashups, query pipelines, query-by-diagram, semantic web

4 A Survey of Mobile Transactions

Patricia Serrano-Avarado, Claudia Rencoret, Michel Adria

September 2004

Distributed and Parallel Databases, Volume 16 Issue 2

Publisher: Kluwer Academic Publishers

Full text available Publisher Site

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Transaction support is crucial in mobile data management. Specific characteristics of mobile environments (e.g. variable bandwidth, disconnections, limited resources on mobile hosts) make traditional transaction management techniques no longer appropriate ...

Keywords: atomicity, consistency, databases, durability, isolation, mobile transactions, mobility, transaction execution

5 [Communications of the ACM: Volume 53 Issue 11](#)

November 2010

Communications of the ACM

Publisher: ACM

Full text available  Digital Edition  PDF (8.56 MB)

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6 [Proceedings of the 14th international conference on Principles of distributed systems](#)

[Chenyang Lu](#), [Toshimitsu Masuzawa](#), [Mohamed Mosbah](#)

December 2010

OPODIS'10: Proceedings of the 14th international conference on Principles of distributed systems

Publisher: Springer-Verlag

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